

WO 01/25953

What is claimed is:

1. A method of monitoring a registry comprising:
requesting a handle for a registry key to a calling process;
requesting a registry key value for the handle; and
obtaining security clearance to complete the requests.
2. The method of claim 1 further comprising after requesting a handle for a registry key to a calling process:
determining a process ID and registry key;
determining whether the process is secured by checking a secured process list;
if the process is secured, determining whether the registry key is on a rejection list;
if the registry key is on the rejection list, denying the process access to the registry key;
and
if the process is not on the secured list or if the registry key name is not on the rejection list, completing the request.
3. The method of claim 1 further comprising after requesting a registry key value for the handle:
determining a process ID and registry key value;
determining whether the process is secured by checking the secured process list;
if the process is secured, determining whether the registry key is on the rejection list;
if the registry key is on the rejection list, denying the process access to the registry key value;
if the process is not on the secured list, completing the request;
if the registry key is not on the rejection list and the process is on the secured process list, processing the value request and determining whether the value is on the rejection list;
if the value is not on the rejection list allowing the request to be completed; and
if the value is on the rejection list denying access to the registry key value.
4. The method of claim 1 further comprising after modifying and deleting handles and values:
determining a process ID;
determining whether the process is secured by checking whether the process is on the secured process list;
if the process is not on the secured process list, completing the request; and
if the process is on the secured process list, not allowing the request to be completed.

WO 01/25953

5. A registry monitoring system wherein the registry is monitored by a method comprising:
 requesting a handle for a registry key to a calling process;
 requesting a registry key value for the handle; and
 obtaining security clearance to complete the requests.

- 5 6. The registry monitoring system of claim 5 further comprising after requesting a handle
 for a registry key to a calling process:
 determining a process ID and registry key;
 determining whether the process is secured by checking a secured process list;
 if the process is secured, determining whether the registry key is on a rejection list;
 10 if the registry key is on the rejection list, denying the process access to the registry key;
 and
 if the process is not on the secured list or if the registry key name is not on the rejection
 list, completing the request.

7. The registry monitoring system of claim 5 further comprising after requesting a registry
 15 key value for the handle:
 determining a process ID and registry key value;
 determining whether the process is secured by checking the secured process list;
 if the process is secured, determining whether the registry key is on the rejection list;
 if the registry key is on the rejection list, denying the process access to the registry key
 value;
 if the process is not on the secured list, completing the request;
 if the registry key is not on the rejection list and the process is on the secured process list,
 processing the value request and determining whether the value is on the rejection list;
 if the value is not on the rejection list allowing the request to be completed; and
 25 if the value is on the rejection list denying access to the registry key value.

8. The registry monitoring system of claim 5 further comprising after modifying and
 deleting handles and values:

- 30 determining a process ID;
 determining whether the process is secured by checking whether the process is on the
 secured process list;
 if the process is not on the secured process list, completing the request; and
 if the process is on the secured process list, not allowing the request to be completed.

9. A computer configured to monitor a registry according to a method comprising:

requesting a handle for a registry key to a calling process;
requesting a registry key value for the handle; and
obtaining security clearance to complete the requests.

10. The computer of claim 9 further comprising after requesting a handle for a registry key to a calling process:

determining a process ID and registry key;
determining whether the process is secured by checking a secured process list;
if the process is secured, determining whether the registry key is on a rejection list;
if the registry key is on the rejection list, denying the process access to the registry key;
and
if the process is not on the secured list or if the registry key name is not on the rejection list, completing the request.

11. The computer of claim 9 further comprising after requesting a registry key value for the handle:

determining a process ID and registry key value;
determining whether the process is secured by checking the secured process list;
if the process is secured, determining whether the registry key is on the rejection list;
if the registry key is on the rejection list, denying the process access to the registry key value;
if the process is not on the secured list, completing the request;
if the registry key is not on the rejection list and the process is on the secured process list, processing the value request and determining whether the value is on the rejection list;
if the value is not on the rejection list allowing the request to be completed; and
if the value is on the rejection list denying access to the registry key value.

12. The computer of claim 9 further comprising after modifying and deleting handles and values:

determining a process ID;
determining whether the process is secured by checking whether the process is on the secured process list;
if the process is not on the secured process list, completing the request; and
if the process is on the secured process list, not allowing the request to be completed.

13. A machine-readable medium comprising a program to monitor a registry according to a method comprising:

requesting a handle for a registry key to a calling process;
requesting a registry key value for the handle; and
obtaining security clearance to complete the requests.

14. The machine-readable medium of claim 13 further comprising after requesting a handle
for a registry key to a calling process:

determining a process ID and registry key;
determining whether the process is secured by checking a secured process list;
if the process is secured, determining whether the registry key is on a rejection list;
if the registry key is on the rejection list, denying the process access to the registry key;
and
if the process is not on the secured list or if the registry key name is not on the rejection
list, completing the request.

15. The machine-readable medium of claim 13 further comprising after requesting a registry
key value for the handle:

determining a process ID and registry key value;
determining whether the process is secured by checking the secured process list;
if the process is secured, determining whether the registry key is on the rejection list;
if the registry key is on the rejection list, denying the process access to the registry key
value;
if the process is not on the secured list, completing the request;
if the registry key is not on the rejection list and the process is on the secured process list,
processing the value request and determining whether the value is on the rejection list;
if the value is not on the rejection list allowing the request to be completed; and
if the value is on the rejection list denying access to the registry key value.

16. The machine-readable medium of claim 13 further comprising after modifying and
deleting handles and values:

determining a process ID;
determining whether the process is secured by checking whether the process is on the
secured process list;
if the process is not on the secured process list, completing the request; and
if the process is on the secured process list, not allowing the request to be completed.

17. A computer implemented secured data transmission system having a receiver to access
secured file content provided by a sender, wherein the receiver includes a registry monitoring

system wherein the registry is monitored by a method comprising:

requesting a handle for a registry key to a calling process;
requesting a registry key value for the handle; and
obtaining security clearance to complete the requests.

5 18. The computer implemented secured data transmission system of claim 17 further comprising after requesting a handle for a registry key to a calling process:

determining a process ID and registry key;
determining whether the process is secured by checking a secured process list;
if the process is secured, determining whether the registry key is on a rejection list;
10 if the registry key is on the rejection list, denying the process access to the registry key;
and
if the process is not on the secured list or if the registry key name is not on the rejection list, completing the request.

15 19. The computer implemented secured data transmission system of claim 17 further comprising after requesting a registry key value for the handle:

determining a process ID and registry key value;
determining whether the process is secured by checking the secured process list;
if the process is secured, determining whether the registry key is on the rejection list;
if the registry key is on the rejection list, denying the process access to the registry key value;
20 if the process is not on the secured list, completing the request;
if the registry key is not on the rejection list and the process is on the secured process list, processing the value request and determining whether the value is on the rejection list;
if the value is not on the rejection list allowing the request to be completed; and
25 if the value is on the rejection list denying access to the registry key value.

30 20. The computer implemented secured data transmission system of claim 17 further comprising after modifying and deleting handles and values:

determining a process ID;
determining whether the process is secured by checking whether the process is on the secured process list;
if the process is not on the secured process list, completing the request; and
if the process is on the secured process list, not allowing the request to be completed.